Information Disclosure Statement Attorney Docket No. EI-7615 Serial No: 10/721,156 JFW)

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Stephen A. FACTOR, et al	. )
Application Number: 10/721,156	) Confirmation No.: 5545
Filed: November 25, 2003	)
For: Mixed Metal Catalyst Additive and Me In Hydrocarbonaceous fuel Combustion	,

#### **CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class U.S. Mail on July 19, 2004 with sufficient postage in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Beth Earnest

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

#### **TRANSMITTAL**

Sir:

Transmitted herewith are the following in the subject application:

- Information Disclosure Statement (no fee)
- Form PTO/SB/08A listing 15 references and attaching 6 references
- Return Postcard (attached hereto, but not stapled)

It is believed that there are no fees associated with this filing. However, in the event the calculations are incorrect, the Commissioner is authorized to charge any deficiencies in fees or credit any overpayment associated with this communication to Deposit Account No. 05-1372. This paper is submitted in duplicate.

Respectfully submitted,

Leah Oubre Robinson, Reg. No. 44,990

330 South Fourth Street Richmond, VA 23219

Phone: 804-788-5498; FAX: 804-788-5519

Date: July 19, 2004



# IN THE UNFIED STATES PATENT AND TRADEMARK OFFICE

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## **INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

Sir:

Pursuant to the duty of disclosure, Applicants submit herewith information which may be material to the examination of the above-captioned application.

Specifically, the information comprises references that have become known to Applicants and their attorneys. Those references are listed on the enclosed form PTO/SB/08A. Listed foreign patent documents and non-patent literature documents are enclosed.

It is respectfully requested that these references be fully considered in their entirety, and that the references be made of record in the above-captioned application. It is also respectfully requested that the Examiner initial in the appropriate area on the enclosed Form PTO/SB/08A, thereby indicating the Examiner's consideration of each of the references.

#### Fees

As this Information Disclosure Statement is submitted before the date of a first Office Action on the merits, it is believed that no fees are due. However, in the event the calculations are

incorrect, the Commissioner is authorized to charge any deficiencies in fees or credit any overpayment associated with this communication to Deposit Account No. 05-1372.

### Conclusion

It is believed that all provisions of 37 CFR 1.97 have been complied with, and consideration of these references is most respectfully requested.

Respectfully Submitted,

Leah Oubre Robinson, Reg. No. 44,990

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Date: July 19, 2004

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
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Substitute for form 1449/PTO

Application Number 10/721,156

Filing Date November 25, 2003

First Named Inventor Stephen A. FACTOR, et al.

Art Unit Unassigned; Conf. No.: 5545

Examiner Name Unassigned

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2 Attorney Docket Number EI-7615

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear	
		<sup>US-</sup> 2818417	12-31-1957	Brown, et al.		
		<sup>US-</sup> 4568357	02-04-1986	Simon		
		us- 4674447	06-23-1987	Davis		
		<sup>US-</sup> 5113803	05-19-1992	Hollran, et al.		
		<sup>US-</sup> 5599357	02-04-1997	Leeper		
		<sup>US-</sup> 5919276	07-06-1999	Jeffrey		
		<sup>US-</sup> 5944858	08-31-1999	Wallace		
		<sup>US-</sup> 6197075	03-06-2001	Muir, et al.		
		<sup>US-</sup> 6632257	10-14-2003	Feitelberg, et al.		
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> "Number * "Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>	
		EP 0 466 512 B1	06-29-1994	Le'eper			
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Examiner	Date	· · · · · · · · · · · · · · · · · · ·
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031
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	te for form 1449/PTO		DEMARY		Complete if Known
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INFO	DRMATION	DIS	CLOSURE	Filing Date	November 25, 2003
STATEMENT BY APPLICANT		First Named Inventor	Stephen A. FACTOR, et al.		
	(line on many abo			Art Unit	Unassigned; Conf. No.: 5545
	(Use as many she	ets as n	ecessary)	Examiner Name	Unassigned
Sheet	2	of	2	Attorney Docket Number	EI-7615

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		DOBBINS et al., "The Evolution of Soot Precursor Particles in a Diffusion Flame," Combustion and Flame, 115, pp 285-298 (1998).	
		VANDER WAL et al., "Soot Oxidation: Dependence Upon Initial Nanostructure," Combustion and Flame, 134, pp 1-9, (2003).	
		HAYNES et al., "The Effect of Metal Additives on the Formation of Soot in Premixed Flames," 17th Symposium on Combustion, pp 1365-1374, The Combustion Institute 1979.	
		HOWARD et al., "Soot Control by Fuel Additives," Prog. Energy Combust. Sci., Vol. 6, pp 263-276, Pergamon Press Ltd. 1980.	
		COTTON et al., "The Suppression of Soot Emissions From Flames by Metal Additives," Combustion and Flame, 17, p. 87 (1971).	

Examiner	Date	
Signature	 Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.